

Welcome to the CWNS Web Seminar Series

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Clean Watersheds Needs Survey (CWNS) 2008



Documenting Non-Point Source Needs

Presenters:

Karen Fligger, EPA

Michael Plastino, EPA

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Overview

- What is NPS?
- What is CWNS?
- CWNS 2004 Results
- Why Enter NPS Needs?
- Collecting and Entering NPS data
- Lessons Learned from CWNS 2004
- CWNS 2008 Data Entry Portal
- Resources

What is NPS?



NPS

- Does not have a single point of origin
- May be the result of runoff, precipitation, atmospheric deposition, drainage, seepage, or hydrological modification
- Sources are diffuse



What is CWNS?

What is CWNS?

- Assessment of capital needs to meet the Clean Water Act's (CWA) water quality goals
- Need: A capital project, with associated costs, that addresses a water quality or water-related public health problem
- Joint effort by EPA, States, & Local organizations
- Every 4 years as required by CWA Sec 516 (started in 1972)
- Results in Report to Congress

What data is collected?

- Includes information about:
 - Publicly owned wastewater facilities
 - Stormwater management projects
 - Combined sewer overflow (CSO) control
 - **Non-point source pollution control projects**
 - Decentralized wastewater treatment projects

What is CWNS?

Survey

States submit needs data from Feb. 5- Oct. 27, 2008



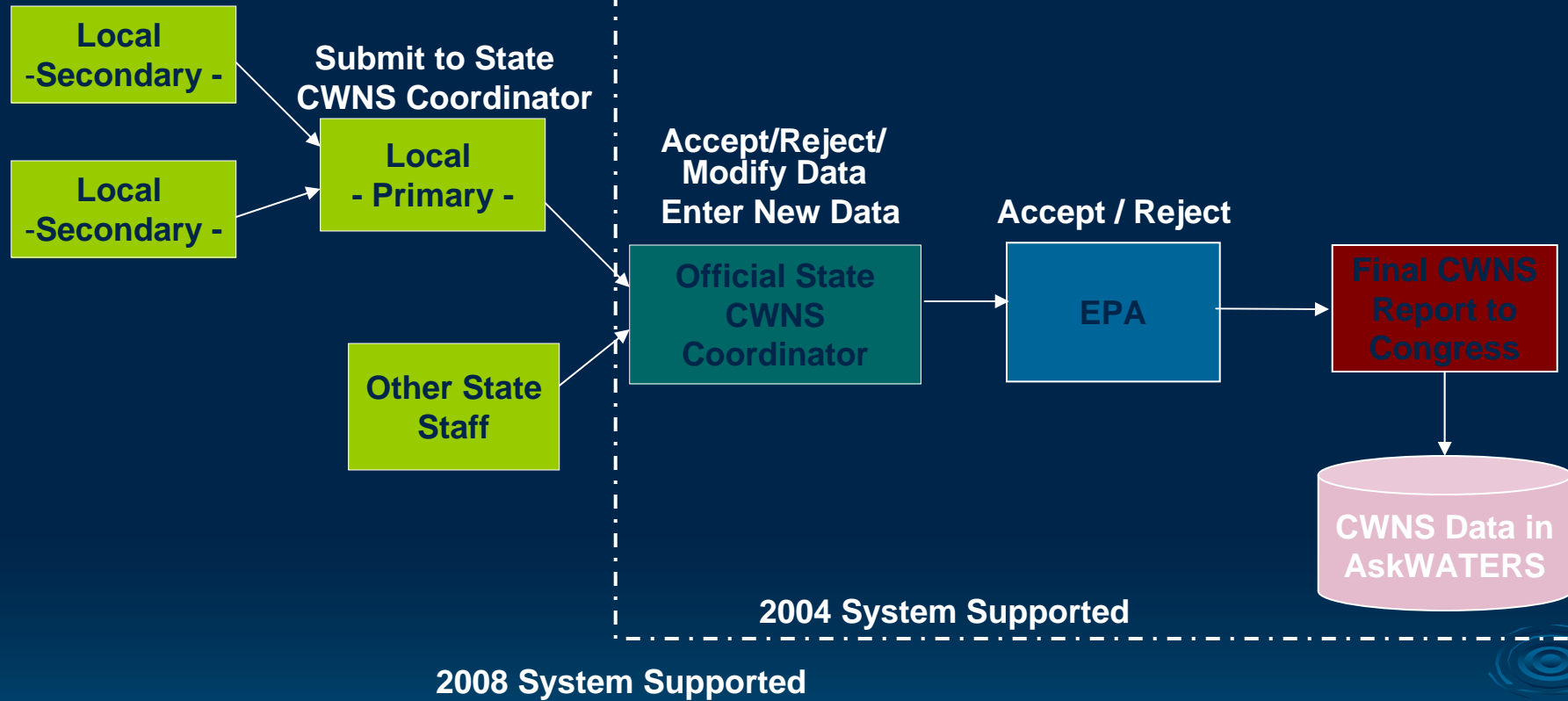
Report to Congress

EPA uses survey to complete Report to Congress. Congress uses report to inform policy and SRF allocations.



Survey data becomes publicly available

What is CWNS?



What data is collected?

- Information collected includes:
 - Estimated needs (cost and technical information) as of Jan. 1, 2008
 - Location and contact information
 - Permit information and discharge data
 - Solution to the problem, e.g. best management practices (BMPs)
 - WWT facility population served, flow, effluent, and unit process data
 - Decentralized population served

Questions

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CWNS 2004 Results



2004 Needs by Category

Categories	Total Needs (\$B)
I- Secondary wastewater treatment	44.6
II- Advanced wastewater treatment	24.5
III-A- Infiltration/inflow correction	10.3
III-B- Sewer replacement/rehabilitation	21.0
IV-A- New collector sewers and appurtenances	16.8
IV-B- New interceptor sewers and appurtenances	17.2
V- Combined sewer overflow correction	54.8
VI- Stormwater management programs	9.0
X- Recycled water distribution	4.3
Total Needs for Categories I-VI and X	202.5
VII- Nonpoint Source Pollution Control	38.3

2004 NPS Needs by Subcategory

NPS Pollution Control Need Category	Total Needs (\$ B)	Percentage of Total
Agriculture (cropland) (VII-A)	1.7	4.4%
Agriculture (animals) (VII-B)	1.5	3.9%
Silviculture (VII-C)	0.2	0.5%
Urban (VII-D)	12.4	32.3%
Ground water protection: unknown source (VII-E)	4.8	12.5%
Marinas (VII-F)	0.01	<0.1%
Resource extraction (VII-G)	0.2	0.5%
Brownfields (VII-H)	1.7	4.4%
Storage tanks (VII-I)	1.5	3.9%
Sanitary landfills (VII-J)	2.1	5.5%
Hydromodification (VII-K)	9.3	24.2%
Individual/decentralized sewage treatment (VII-L)	3.0	7.8%
Total NPS needs	38.3	

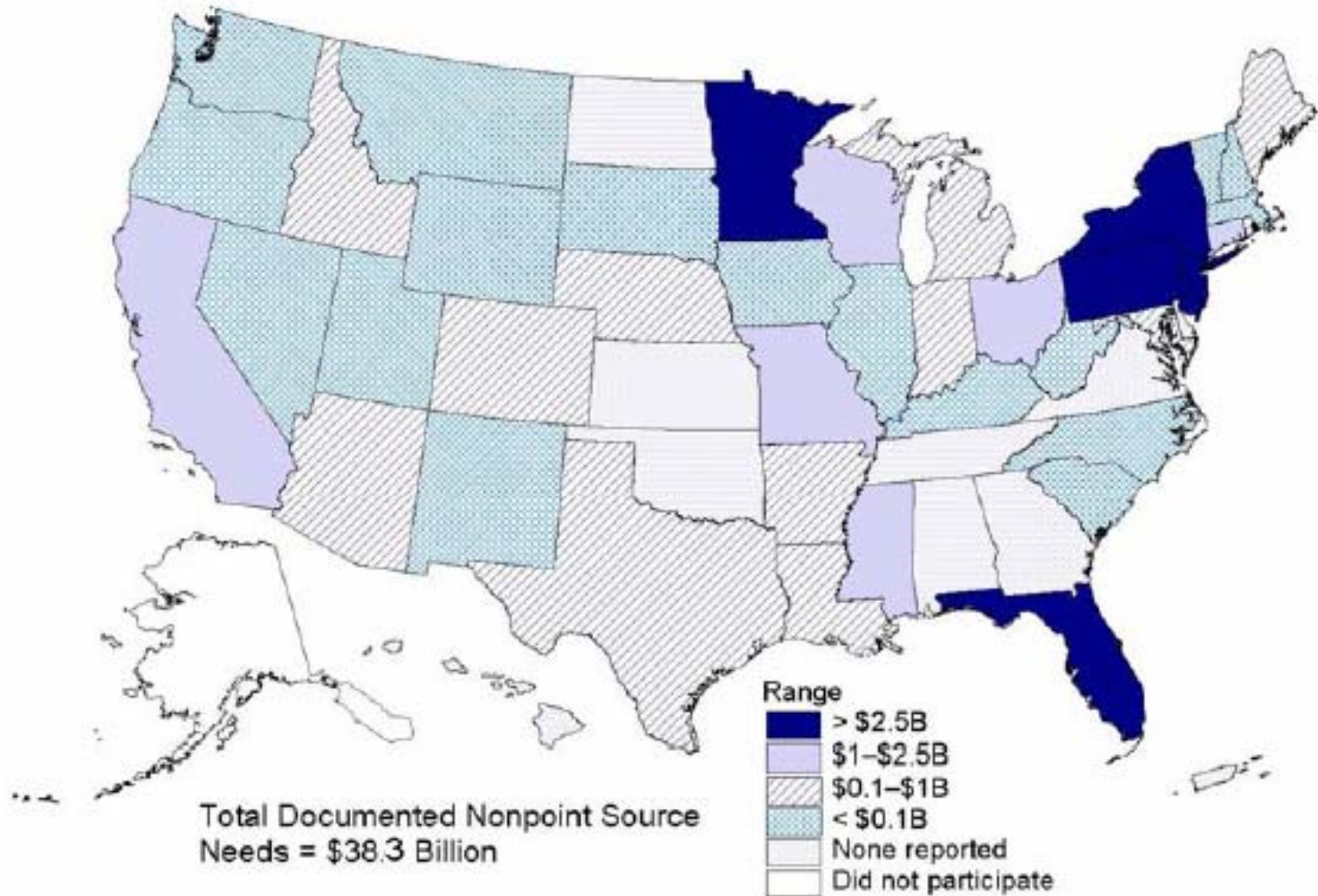
Change in NPS Needs (1996-2004)

Needs Category		'00 -'04 change				
		1996	2000	2004	\$B	%Change
VII-A	NPS - Agriculture (cropland)	4.7	0.5	1.7	1.2	240%
VII-B	NPS - Agriculture (animals)	2.6	0.7	1.5	0.8	114%
VII-C	NPS - Silviculture	4.3	0.05	0.2	0.15	300%
VII-D	NPS - Urban	1.2	4.9	12.4	7.5	153%
VII-E	NPS - Ground water protection: unknown source	1.3	1	4.8	3.8	380%
	Estuaries	0.04	--	--	--	NA
	Wetlands	0.01	--	--	--	NA
VII-F	NPS - Marinas	--	0.002	0.01	0.008	400%
VII-G	NPS - Resource extraction	--	0.04	0.2	0.16	400%
VII-H	NPS - Brownfields	--	0.4	1.7	1.3	325%
VII-I	NPS - Storage tanks	--	1.1	1.5	0.4	36%
VII-J	NPS - Sanitary landfills	--	2	2.1	0.1	5%
VII-K	NPS - Hydromodification	--	4.5	9.3	4.8	107%
VII-L	NPS - Individual/decentralized sewage treatment	--	--	3	3	NA
Category VII total		14.2	15.2	38.4	23.2	153%

What States Reported Needs?

- 2000- 33 States & DC
- 2004- 41 States & DC
- 2004- 63% of NPS needs documented by FL, PA, NJ, MN, & NY

NPS Needs by State



Note: Alaska, American Samoa, Guam, Northern Mariana Islands and the Virgin Islands did not participate in the CWNS 2004.

Questions

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3. Tool to collect data for programmatic planning and project prioritization at the state and national level
4. Informs the public and contributes to academic research



Questions

[What CWNS 2004 facilities and projects have needs documented to federal standards?](#)

[Clean Watersheds Needs Survey / CWNS 2004](#)

[What are the current and projected flows for CWNS 2004 publicly owned wastewater treatment facilities?](#)

[Clean Watersheds Needs Survey / CWNS 2004](#)

[What are the federal needs and flow measures for CWNS 2004 publicly owned wastewater treatment facilities?](#)

[Clean Watersheds Needs Survey / CWNS 2004](#)

[What are the federal needs and population data for CWNS 2004 publicly owned wastewater treatment facilities?](#)

[Clean Watersheds Needs Survey / CWNS 2004](#)

[What are the federal needs, flow measures, and population data for CWNS 2004 publicly owned wastewater treatment facilities?](#)

[Clean Watersheds Needs Survey / CWNS 2004](#)

[What are the discharge methods and locations for CWNS 2004 facilities and projects?](#)

[Clean Watersheds Needs Survey / CWNS 2004](#)

[What are the names and locations of CWNS 2004 publicly owned wastewater treatment facilities currently in operation?](#)

[Clean Watersheds Needs Survey / CWNS 2004](#)

[How many people are served by 2004 CWNS publicly owned wastewater treatment facilities?](#)

[Clean Watersheds Needs Survey / CWNS 2004](#)

Analytical/Statistical Questions

Question	Associated Programs (Click on link to see Report Description)
What CWNS 2000 facilities and projects, with needs documented to federal standards, are located on impaired waters?	Total Maximum Daily Load (TMDL) / NTTS / 303(d), Clean Watersheds Needs Survey / CWNS 2000
How many and what categories of CWNS 2000 facilities and projects, documented to federal standards, are located on impaired waters?	Total Maximum Daily Load (TMDL) / NTTS / 303(d), Clean Watersheds Needs Survey / CWNS 2000
What are the recorded waste load allocations for approved/established TMDLs?	Total Maximum Daily Load (TMDL) / NTTS / 303(d)
What CWNS 2004 facilities and projects, with needs documented to federal standards, are located on impaired waters?	Total Maximum Daily Load (TMDL) / NTTS / 303(d), Clean Watersheds Needs Survey / CWNS 2004
How many and what categories of CWNS 2004 facilities and projects, documented to federal standards, are located on impaired waters?	Total Maximum Daily Load (TMDL) / NTTS / 303(d), Clean Watersheds Needs Survey / CWNS 2004

What CWNS 2004 facilities and projects have needs documented to federal standards?

Geographic Location Criteria

EPA Region: No Region Selected

State: NY - New York
OH - Ohio
OK - Oklahoma
OR - Oregon
PA - Pennsylvania

Watershed (Hydrologic Unit Code) - Click [Map](#) or [List](#) to Select Code
 (Display only)

County Name - Click [List](#) to Select County
 (Display only)

Congressional District - Click [List](#) to Select Congressional District
 (Display only)

☒ Both Public and Private Facilities ☐ Public Facilities Only ☐ Private Facilities Only

What CWNS 2004 facilities and projects have needs documented to federal standards?

Programmatic Search Criteria

All columns selected below will appear on the generated report in addition to the base columns. Records returned will be limited to those in which at least one of the selected columns has a value greater than zero. To place further limits on the records returned, click the "Apply Numeric Limits to Needs, Flow or Population" button.

Needs Category Type (Select one or more categories):

☐ Select/De-select all Needs categories

☐ I: Secondary Wastewater Treatment

☐ II: Advanced Treatment

☐ III_A: Infiltrate/Inflow Correction

☐ III_B: Replace/Rehab of Sewers

☐ IV_A: New Collector Sewers

☐ IV_B: New Interceptor Sewers

☐ V: Combined Sewer Overflow

☐ VI: Stormwater Management

☒ VII_A: NPS-Agriculture (cropland)

☒ VII_B: NPS-Agriculture (animals)

☒ VII_C: NPS-Silviculture

☒ VII_D: NPS-Urban

☒ VII_E: NPS-Ground Water Unknown Source

☒ VII_F: NPS-Marinas

☒ VII_G: NPS-Resource Extracation

☒ VII_H: NPS-Brownfield

☒ VII_I: NPS-Storage Tanks

☒ VII_J: NPS-Sanitary Landfills

☒ VII_K: NPS-Hydromodification

☐ VIII: Confined Animals (Point Source)

☐ IX: Mining (Point Source)

☐ Total Needs

Apply Numeric Limits to Needs, Flow or Population

Run Report

Reset

What CWNS 2004 facilities and projects have needs documented to federal standards?

<u>REGION</u>	<u>STATE</u>	<u>COUNTY NAME</u>	<u>AUTHORITY NAME</u>	<u>CWNS NUMBER</u>	<u>FACILITY NAME</u>	<u>WATERSHED NAME</u>	<u>CWNS FACILITY FACT SHEET</u>	<u>CWNS MAP</u>	<u>CWNS VII_A</u>	<u>CWNS VII_B</u>
3	PA	ADAMS	ADAMS COUNTY CONSERVATION DISTRICT/PA CONS COMMISS	42002001011	ADAMS CO CONSERVATION NPS	Monocacy.	CWNS Facility Report	Map CWNS Facility	\$13,140,000	\$9,991,000
3	PA	ADAMS	ADAMS COUNTY MUNICIPALITIES	42000001101	ADAMS CO STORMWATER BMPS	Monocacy.	CWNS Facility Report	No Mapping Data	\$0	\$0
3	PA	ADAMS	BIGLERVILLE BOROUGH AUTH	42003107001	BIGLERVILLE BORO AUTH STP	Lower Susquehanna.	CWNS Facility Report	Map CWNS Facility	\$0	\$0
3	PA	ADAMS	CUMBERLAND TOWNSHIP AUTHORITY	42003009003	CUMBERLAND TWP GREENMOUNT STP	Monocacy.	CWNS Facility Report	No Mapping Data	\$0	\$0
3	PA	ADAMS	FRANKLIN TWP	42003242001	FRANKLIN TWP ADAMS STP	Monocacy.	CWNS Facility Report	Map CWNS Facility	\$0	\$0
3	PA	ADAMS	LITTLESTOWN BORO AUTH	42003053001	LITTLESTOWN BORO STP	Lower Susquehanna.	CWNS Facility Report	Map CWNS Facility	\$0	\$0
3	PA	ADAMS	STRABAN TOWNSHIP AUTH	42003061001	STRABAN TOWNSHIP AUTH CS	Lower Susquehanna.	CWNS Facility Report	Map CWNS Facility	\$0	\$0
3	PA	ADAMS	STRABAN TWP AUTH	42003061008	STRABAN TWP RTE 30 SS EXTENSION	Lower Susquehanna.	CWNS Facility Report	Map CWNS Facility	\$0	\$0

Why enter NPS Needs?

1. The needs are underreported
2. Provides information to Congress and state legislatures for budget and policy purposes.
3. Tool to collect data for programmatic planning and project prioritization at the state and national level
4. Informs the public and contributes to academic research
5. Provides documentation needed to apply for funding, including SRF loans

Questions

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Collecting and Entering NPS Data

Changes for 2008

- Needs do not need to be located in 303(d) listed watersheds. Projects to protect waters also eligible.
- Data fields not relevant to NPS will not be displayed in system
- NPS pollution control activities are referred to a “projects” (not facilities)

More Changes for 2008

- Category Changes:
 - Decentralized Wastewater Treatment is collected as its own category (XII) (previously VII-L)
 - Urban (VII-D) is moved to Stormwater (VI) Unregulated
 - Other Estuary Management Activities (previously XI) are now collected as NPS (VII-M)

2008 NPS Pollution Sub-categories

- VII-A: Agriculture (Cropland)
- VII-B: Agriculture (Animals)
- VII-C: Silviculture
- VII-E: Ground Water Protection (Unknown Source)
- VII-F: Marinas
- VII-G: Resource Extraction
- VII-H: Brownfields
- VII-I: Storage Tanks
- VII-J: Sanitary Landfills
- VII-K: Hydromodification
- VII-M: Estuary Management Activities

Data Collected

Required

- Project Information
- Point of Contact
- Coordinates
- Areas Related to Needs
- Needs

Optional

- Permits
- Funding
- O & M
- Pollution
- Unit Process

Seven Criteria for Documenting Needs and Costs

-
- The diagram illustrates seven criteria for documenting needs and costs, organized into two main groups. The first group, labeled 'Needs', includes the first two criteria: 'Description of the water quality or public health problem' and 'Location of the problem'. The second group, labeled 'Costs', includes the remaining five criteria: 'Solution to the problem', 'Cost of the solution', 'Basis for the cost', 'Total cost', and 'Current documentation'. The criteria are listed in a numbered sequence from 1 to 7. The 'Needs' group is indicated by a large right-facing curly bracket to the right of the first two items. The 'Costs' group is indicated by a large right-facing curly bracket to the right of items 3 through 7. The background features a dark blue gradient with faint, stylized concentric circles resembling ripples in water.
1. Description of the water quality or public health problem
 2. Location of the problem
 3. Solution to the problem
 4. Cost of the solution
 5. Basis for the cost
 6. Total cost
 7. Current documentation
- Needs
- Costs

Pre-approval of Innovative Methods

- February- May 2008
- State CWNS coordinators request EPA review proposed methodology for documenting needs and costs in a specific category.
- The proposal should include the following information:
 - Category of need
 - Whether the proposal methodology will be used to document need and/or costs
 - A 1-2 page description of the proposed methodology. Describe any external data sets that will be used
 - Attach sample surveys, spreadsheets, documentation, when appropriate

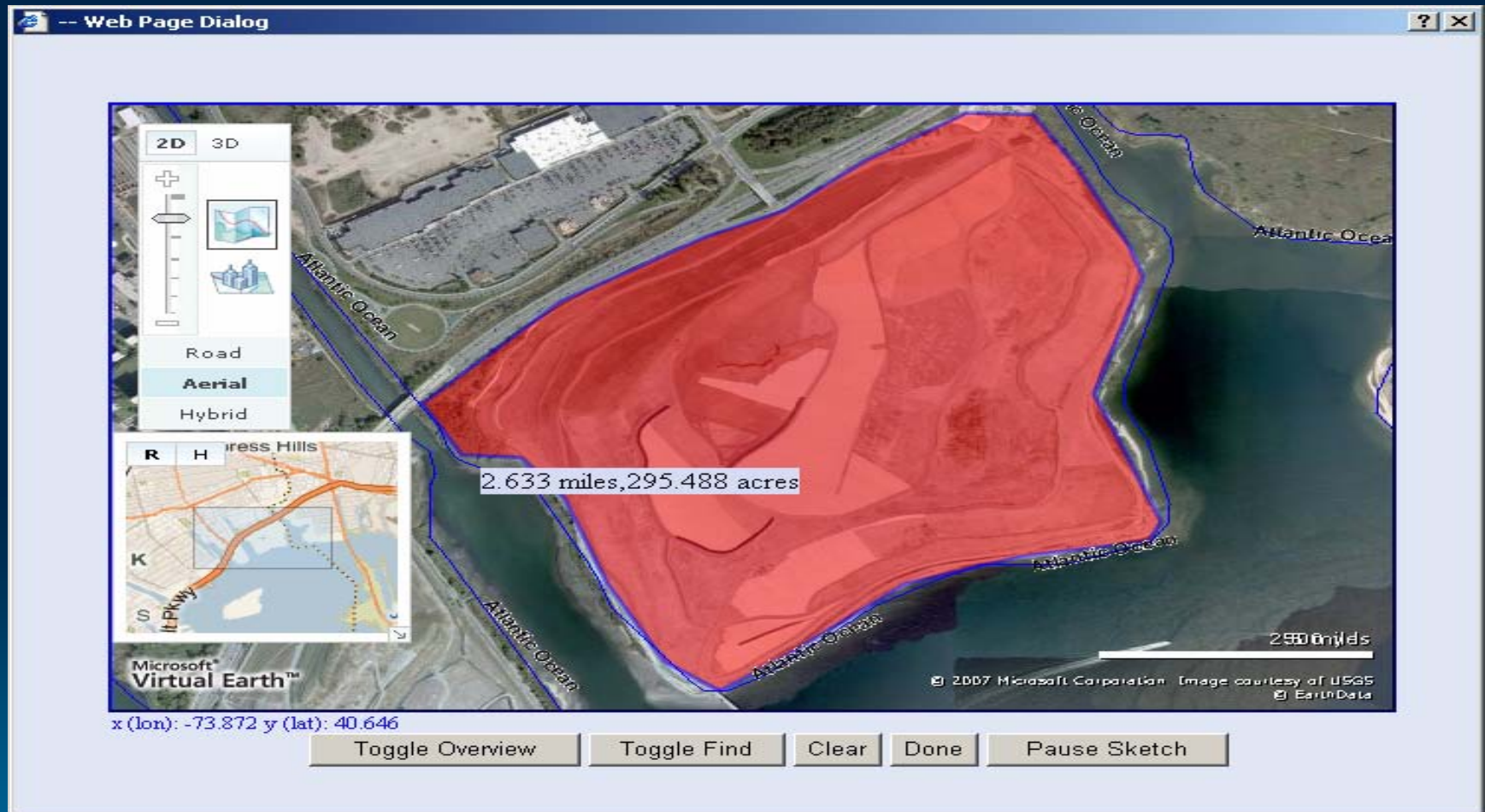
1. Description of the water quality or public health problem

- Examples
 - 303(d) listed watersheds or TMDL
 - Can also be protection of currently unimpaired waters as described in
 - Watershed-based plans
 - Source Water Assessments
 - Other NPS planning documents (types 44-49)

2. Location of the problem

- Single point: project < 200 acres
- For projects ≥ 200 acres, one of the following:
 - 1 or more polygon(s)
 - Indication of entire county
 - Indication of entire watershed

WLV Polygon Capture



3. Solution(s) to the problem

- One or more specific pollution control measures or Best Management Practice (BMP) to protect water from potential or existing pollution problems must be identified.

Examples

- Agriculture (Cropland)- conservation tillage; nutrient management
- Agriculture (Animals)- composting facility; planned grazing
- Silviculture- pre-harvest planning; streamside buffers
- Marinas- bulk headings; oil containment booms
- Brownfields- ground water monitoring wells; capping
- Sanitary Landfills- leachate collection
- Hydromodification- easements; swales; wetland restoration
- Estuary Management Activities- fish ladders; aquatic invasive species control; oyster bed and shellfish restocking

4. The cost of each solution

- Document specific costs for each BMP or pollution control measure
- General costs, without identifying specific solutions, are not accepted

5. The basis of the cost

- The source of the cost data, for example:
 - Cost from comparable practices
 - Electronic Field Office Technical Guide (eFOTOG)
 - State/Federal Agricultural Cost-Share Program Cost Tables
 - Professional Appraisals

Costs from comparable practices

- Cost must be based on at least 3 bid or completed projects that are:
 - Recent: within the last two years.
 - Similar in size, scope, and geographic area.
 - Size: plus or minus 25 percent.
 - Generally in the same county or watershed.
- Must be pre-approved by your EPA region and EPA headquarters

eFOTOG

Address <http://www.nrcs.usda.gov/technical/efotg/>

Search

National NRCS ☐

Enter Keywords

Technical Resources

- ▶ Agronomy & Erosion
- ▶ Air Quality
- ▶ Biology
- ▶ Conservation Practices
- ▶ Cultural Resources
- ▶ Ecology
- ▶ Economics
- ▶ eFOTG
- ▶ Engineering
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- ▶ Nutrient & Pest Management
- ▶ Range and Pasture
- ▶ Social Sciences
- ▶ Soils
- ▶ Water Resources

▶ Find a Service Center

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▶ Centers

Welcome to eFOTG

What is eFOTG?

Technical guides are the NRCS. They contain technical information on conservation of soil, water, and animal resources.

Technical guides used that they apply specific which they are prepared as Field Office Technicians.

Appropriate parts of the automated as data base electronic-based materials web based pages.

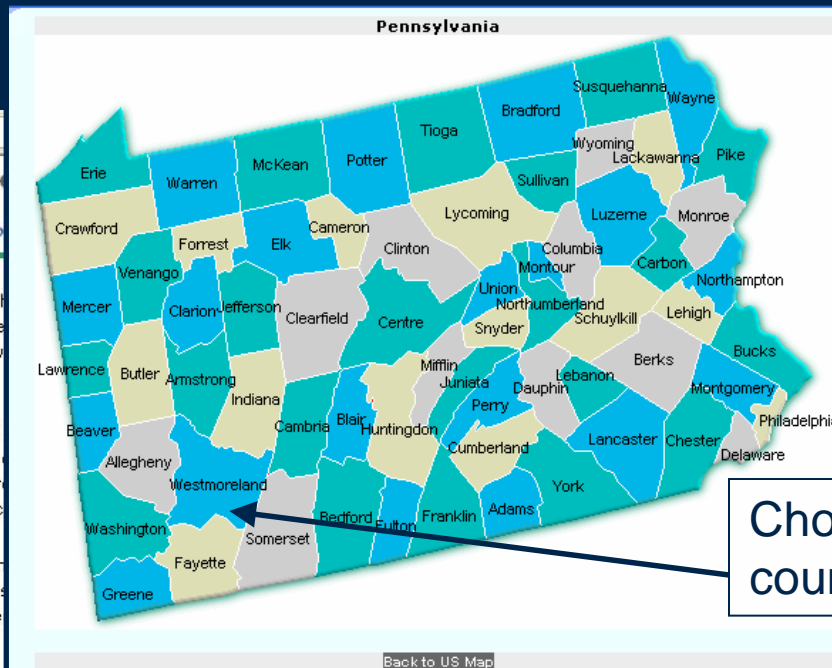
What is in eFOTG?

Section I — General References

In this section you will find general state maps, descriptions of Major Land Resource Areas, watershed information, and links to NRCS reference manuals and handbooks. Section I contains links to researchers, universities, and agencies we work. Section I also contains conservation practice costs, agricultural laws and regulations, cultural resources, and information about protected plant and animal species.

Section II — Soil and Site Information

In this section you will find detailed information about soil, water, air, plant, and animal resources. NRCS Soil Surveys, Hydric Soils Interpretations, Ecological Site Descriptions, Forage Suitability Groups, Cropland Production Tables, Wildlife Habitat Evaluation Guides, Water Quality Guides,



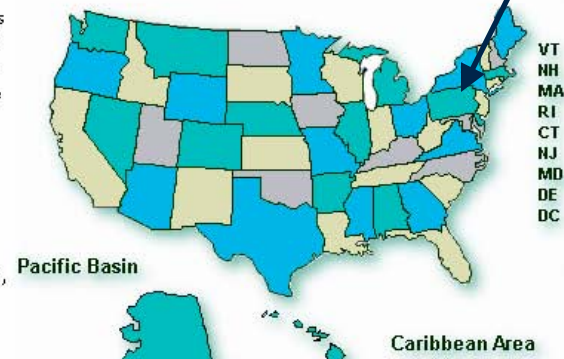
eFOTG County Locator

Select your County of interest by clicking the map to the left.

- To select a different state, click [here](#).

Access eFOTG

eFOTG State Locator — Click on



eFOTOG

Cost information is provided in section 1

United States Department of Agriculture
NRCS Natural Resources Conservation Service
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Information

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eFOTOG [FYI](#)

- eFOTOG
 - Section I
 - Table of Contents
 - A. Field Office Guide Information and Notices
 - B. Reference Lists
 - C. Economic Cost Data
 - Custom Rates
 - Farm Supplies
 - Introduction
 - Table of Contents
 - Economic Studies
 - Other Economic References
 - Crop Budgets - General
 - Costs
 - 2006 EQIP Calculator
 - Program Practice Lists
 - 2006 AMA Cost List
 - 2006 EQIP Cost List
 - 2006 WHIP Cost List
 - D. Maps
 - E. Erosion Prediction
 - Section II
 - Section III
 - Section IV
 - Section V

What is eFOTOG? Technical reference information, water, air, resource

For additional information, please click on the appropriate link.

What's New in eFOTOG

Section I - Introduction

Section II - Practice Standards and Specifications

Section V - Conservation Effects

[...more](#)

In The Spotlight

Tools

Technical Materials

State Specific Notices

Notice

Code	Practice	Comp Units	Comp Cost	Cost-Share Type	Cost-Share Rate
	Tree, Containerized	EA	\$6.50	AC	75
	Shrub, containerized	EA	\$5.50	AC	75
	Shrub, Bare root	EA	\$2.00	AC	75
	Tree, Bare root	EA	\$3.00	AC	75
	Shelters/tubes and Stakes	EA	\$4.50	AC	75
393	Filter Strip	Correlated Practices - 382			
	Cool Season Grass, Grass/Legume Mix	AC	\$225.00	AC	75
	Warm Season Grass, Grass Mix	AC	\$275.00	AC	75
410	Grade Stabilization Structure	Correlated Practices -			
	Grade Stabilization Structure	NO	\$1,200.00	AC	75
412	Grassed Waterway	Correlated Practices - 500, 587, 606			
	Geotextile	SY	\$1.15	AC	75



Professional Appraisals

- Provide costs for the purchase of conservation easements
- Primary purpose of easement must be water quality

6. The total cost

- The total cost of all BMPs to address the documented needs for the area must be provided

7. Current documentation

- >\$20 Million: More recent than January 1, 2002
- <\$20 Million: More recent than January 1, 1998

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Lessons Learned in 2004

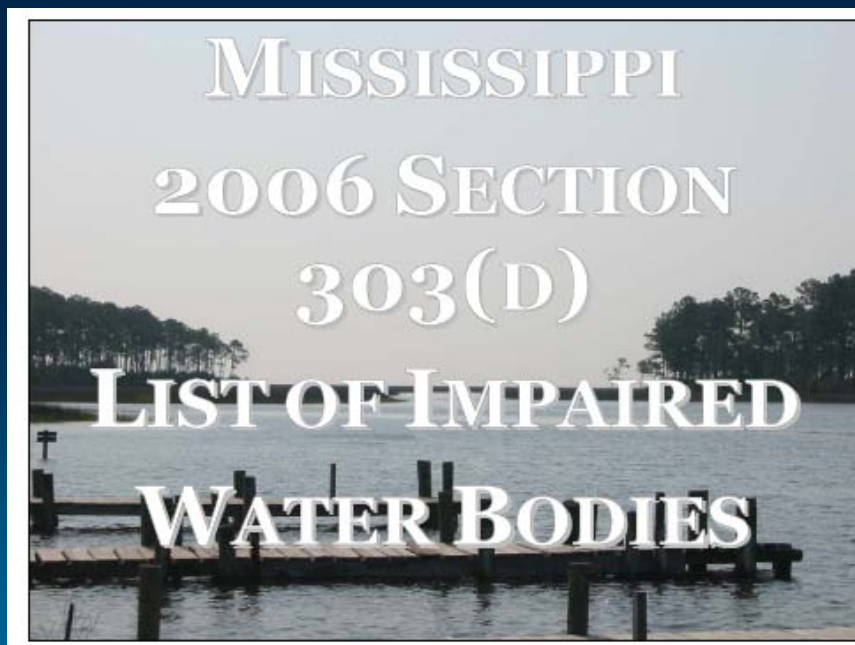


Mississippi's Strategy for Documenting NPS Needs

- Innovative approach using various sources of information.
- State CWNS coordinator with NPS, Water Quality Assessment and TMDL branches.
- Followed the eligibility criteria
- Communicated with CWNS regional coordinator and EPA throughout the process.

Mississippi's Strategy

1. Description of the problem
2. Location





Total Maximum Daily Load
Fannegusha Creek Watershed
Including Red Cane Creek and Hurricane Creek
for
**Biological Impairment
Due to Sediment**

Pearl River Basin

Prepared By
Mississippi Department of Environmental Quality
Office of Pollution Control
TMDL/WLA Branch

MDEQ
PO Box 10385
Jackson, MS 39289-0385
(601) 961-5171
www.deq.state.ms.us



Mississippi's Strategy

3. Solution

4. Cost of the solution

5. Basis for the cost

EQIP FY 2006 Cost List

Component Description	Unit Type	State Average Unit Cost	Local Average Unit Cost	Cost - Share Type
EQIP 2006	--	--	--	
MISCELLANEOUS PRACTICES	--	--	--	
313 - Waste Storage Facility - Dry Stack	SQ FT	4.32	4.32	AC
313 - Waste Storage Facility - Freezer Unit	EACH	2,916.00	2,916.00	AC
316- Animal Mortality Facility-Large	EACH	5,940.00	5,940.00	AC
316- Animal Mortality Facility-Small	EACH	3,045.60	3,045.60	AC
317 - Composting Facility	SQ FT	7.02	7.02	AC
317 - Composting Facility - Rotary Drum Unit	EACH	8,640.00	8,640.00	AC
317 - Composting Facility - Rotary Drum Unit	EACH	18,900.00	18,900.00	AC
324 - Chiseling and Subsoiling	ACRE	10.80	10.80	AC
329A - Residue Mgmt (incentive payment)	ACRE	45.36	45.36	FR
329A - Residue Mgmt - No Till Winter Annuals (incentive payment)	ACRE	17.28	17.28	FR
340 - Cover & Green Manure Crop - Cereal Grains	ACRE	17.28	17.28	AC
340 - Cover & Green Manure Crop - Legumes	ACRE	43.20	43.20	AC
359 - Waste Treatment Lagoon - Pump Out	CU FT	0.09	0.09	AC
362 - Diversion - Type 1 (inc. earthwork and vegetation)	LN FT	1.79	1.79	AC
362 - Diversion - Type 2 (inc. earthwork and vegetation)	LN FT	1.51	1.51	AC

Mississippi's Strategy

6. Total Cost

7. Documentation

Microsoft Excel - Book1

	A	B	C	D	E	F
1	Which section of 303(d) list, or is TMDL report available	Basin	Waterbody ID	Waterbody name	NRCS watershed number	8 digit HUC
2	A+B	BB	MS409SE	Spring Creek	409	08060201
3	A+B	BB	MS409SE	Spring Creek	409	08060201
4	A+B	BB	MS409SE	Spring Creek	409	08060201
5	A+B	BB	MS409SE	Spring Creek	409	08060201

Microsoft Excel - Book1

	A	B	C	D	E	F
1	Percent of total NPS watershed load from:					
2	Urban	Forest	Cropland	Pasture / grass	Other land uses / sources	Length of impaired waterbody (miles)
3		6%	4%	20%	70%	
4		6%	4%	20%	70%	
5		6%	4%	20%	70%	
6		6%	4%	20%	70%	13.42
7		6%	4%	20%	70%	7.29
8		3%	13%	14%	70%	
9		3%	13%	14%	70%	
10		3%	13%	14%	70%	
11		3%	13%	14%	70%	5.64

Microsoft Excel - Book1

	A	B	C	D	E	F	G	H	I	J
1	Acres in this watershed of:									
2	Complete d TMDL for this waterbody?	Similar waterbody with complete d TMDL report	NPS percent reduction needed	Urban	Forest	Cropland	Pasture / grass	Upland scrub / shrub	Barren / other	water
3	NO	Southeast	72%	119	29352	820	16205	14688	0	76
4	NO	Southeast	72%	119	29352	820	16205	14688	0	76
5	NO	Southeast	72%	119	29352	820	16205	14688	0	76
6	NO	Southeast	72%	119	29352	820	16205	14688	0	76
7	NO	Southeast	72%	119	29352	820	16205	14688	0	76
8	NO	Southeast	72%	225	8695	1564	7560	6831	0	320

Microsoft Excel - Book1

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O
1	Pollutant(s) causing impairment														
2	Bacteria	Biological Impairment	Cause unknown	Mercury	Nutrients	Organic Enrich / Low DO	Ammonia Toxicity	Toxics	Pesticide	pH	Sediment / siltation	TDS / chloride / salinity	Metals	other	Pollutant source(s)
3		X									*				
4		X									*				
5		X									*				
6		X									*				
7									X		X				
8		X									*				
9		X									*				
10		X									*				
11		X									*				

NPS Resources

- State and EPA regional NPS coordinators.
- State and municipal agencies
- Municipal and regional planning agencies
- National Estuary Programs (designated under Clean Water Act section 320)
- Nonprofit organizations (e.g., Land trusts, Watershed organizations)
- NPS funding programs (e.g., 319, SRF, EQUIP, Foundations)
- USDA's Conservation Reserve Program (CRP) and Conservation Reserve Enhancement Program (administered by the Farm Service Agency)
- TMDL Implementation Plans
- Watershed-based Plans
- Army Corps of Engineers

Communication

- Communication is key
 - Between state agencies
 - Between state and local agencies
 - Between states and EPA
- Contact EPA as you are developing your methodology.
 - EPA will provide methodology review at states request from June-December 2007.
 - <http://www.epa.gov/cwns/method.htm>

Questions

Questions can be asked at anytime by typing them in the chat box and clicking



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CWNS 2008 Data Entry Portal (DEP)





Welcome to the EPA Portal Clean Watersheds Needs Survey (CWNS) Karen Fligger CA State User

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Search

Keyword



Advanced Search

Review Status

Federal Accepted
Federal Review Requested
Federal Review Correction

Facility/Project Name

Overall Type

Decentralized Wastewater Treatment
Nonpoint Source
Plan Development

Authority

System Name

County/FIPS

Watershed

Document Type

Total Needs

Documentation

Present Population

Present Flow

Facility/Project Last Changed

Permit Number

State

California

Show Facilities/Projects ☒ All ☐ No Errors ☐ With Errors

Search

Clear

Facility/Project List

Facilities based on advance search

Sort column Facility/Project Name by Ascending order

[Display All Facilities](#)

Select	CWNS Number	Facility/Project Name	Review Status	County	Feedback Status	Authority
<input type="checkbox"/>	06012001102	3-5 Storm Drain Facility	State Assigned	San Bernardino		City of Colton
<input type="checkbox"/>	06012001002	Abandoned Mine Inventory	State Assigned	Lassen		Department of Conservation
<input type="checkbox"/>	06012001076	Adaptive Mngmnt of Lower American R	State Assigned	Sacramento		Water Forum
<input type="checkbox"/>	06012001105	Adopt-A-Watershed Education	State Assigned	Glenn		Adopt-A-Watershed
<input type="checkbox"/>	06012001096	Advanced Water Reclamation	State Assigned	San Bernardino		City of Barstow
<input type="checkbox"/>	06012001115	Agricultural Drainage Reduction	State Assigned	Merced		Charleston Drainage District
<input type="checkbox"/>	06012004005	Alameda Creek Fishery Restoration	State Assigned	Alameda		Alameda County Water District
<input type="checkbox"/>	06012004003	Aliso Creek Riparian Restoration	State Assigned	Orange		County of Orange Public Facilities & Resources Dpt
<input type="checkbox"/>	06012004006	Arroyo Pasajero Detention Basin	State Assigned	Kings		California Department of Water Resources
<input type="checkbox"/>	06012001041	Arundo Donax: Survey & Eradication	State Assigned	Tehama		The CSU, Chico Research Foundation
<input type="checkbox"/>	06012001118	Bagley Valley Wtrshed Restotoin	State Assigned	Alpine		Alpine Resource Conservation District
<input type="checkbox"/>	06012001024	Ball Ranch Hab. Restrtn. Area Acqst	State Assigned	Fresno		San Joaquin River Conservancy
<input type="checkbox"/>	06012001001	Battle Creek Restoration Program	State Assigned	Shasta		Mount Lassen Trout Farm, Inc.
<input type="checkbox"/>	06012001014	Battle Creek Rip. Habitat Protect'n	State Assigned	Shasta		The Nature Conservancy
<input type="checkbox"/>	06012001072	Battle Creek Riparian Protection	State Assigned	Shasta		The Nature Conservancy
<input type="checkbox"/>	06012001038	Benthic Macroinvertebrate Assessment	State Assigned	Yuba		U.S. Geological Survey
<input type="checkbox"/>	06012001009	Big Chico Creek Ecological Preserve	State Assigned	Butte		River Network
<input type="checkbox"/>	06012001057	Butte Creek/Sanborn Slough	State Assigned	Colusa		California Waterfowl Association
<input type="checkbox"/>	06012001069	Canal Ranch Habitat Rest. Phase III	State Assigned	San Joaquin		California Department of Fish and Game
<input type="checkbox"/>	06012001079	City of Albany, NPS	State In Progress	Alameda		

[Select All](#) | [Clear All](#) | [Import](#) | [Export](#) | [Federal Review Requested](#) | [Local Assigned](#) |

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Clean Watersheds Needs Survey (CWNS)

Karen Fligger
CA State User

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[home](#) > Facility/Project

Project: 06012004003 - Aliso Creek Riparian Restoration

Facility/Project Menu

Fact Sheet

Summary

	Req	Ent	Err
Project	✓	✓	
Permit			
Point of Contact	✓	✓	
Location	✓	✓	
Needs	✓	✓	
Pollution			
Unit Process			

State: Aleksandr Lutsuk 12/10/2004

Reviewer: Alejandro Escobar 12/21/2004

Review Status

Status State Assigned

Feedback Status

Save

Review Comments

Project Information

Name: Aliso Creek Riparian Restoration

Description:

CWNS Number: 06012004003

System Name:

Owner: Public ☐ Military

TMDL: No

Source Water Protection: No

Save reset

Project Type

Type	Present	Projected	Change	Edit	Delete
Hydromodification	✓	✓	Rehabilitation		

[Add Type](#)

Permits

Summary

	Req	Ent	Err
Project	✓	✓	
Permit			
Point of Contact	✓	✓	
Location	✓	✓	
Needs	✓	✓	
Pollution			
Unit Process			
State: Karen Fligger 01/25/2008			
Reviewer: Alejandro Escobar 12/21/2004			

Impaired Waters Search

☐ Distance(Miles)
☒ Watershed  HUC-8 (defaulted to Primary Watershed)
☐ Keyword Only

Keyword

☒ All ☐ TMDL Completed ☐ TMDL Needed

Search

Clear

Select

Information

- ☐ List ID: [CAR9011400020010831141600](#)
 303(d) Water Body Name: DANA POINT HARBOR
- ☐ List ID: [CAX9011100020021206093445](#)
 303(d) Water Body Name: PACIFIC OCEAN SHORELINE, SAN JOAQUIN HILLS HSA
- ☐ List ID: [CAR9013000020010924090843](#)
 303(d) Water Body Name: PRIMA DESHECHA CREEK
- ☐ List ID: [CAR9012000020011025103628](#)
 303(d) Water Body Name: SAN JUAN CREEK

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Associate with Facility

Project

Location

Needs

Pollution

Unit Process

Pollution Problems

Pollution Problem Category

All

Available Problems by Category

Industrial
 Municipal
 Combined Sewers
 Storm Water Sewers
 Package Plants
 Wastewater Lagoon

Selected Problems by Category

Save

reset

Impaired Waters

List ID	Water Body Name	TMDL	Delete
CAR9013000020010924101553	SEGUNDA DESHECHA CREEK 		

Local User Accounts

- Local users can apply for a CWNS account to enter needs for specific project(s)
- Visit <http://www.epa.gov/cwns/> and click the Login link on the left blue menu bar
- Then click apply



Clean Watersheds Needs Survey (CWNS)

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[CWNS 2004](#)

- [Report to Congress](#)
- [Data](#)

[CWNS 2000](#)

- [Report to Congress](#)
- [Data](#)

[1996 CWNS](#)

- [Report to Congress](#)
- [Data](#)

[Where You Live](#)[Data Dictionary](#)

OVERVIEW

The United States Environmental Protection Agency's Office of Wastewater Management, in partnership with states, territories and the District of Columbia, conducts the Clean Watersheds Needs Survey (CWNS) every four years. The CWNS is conducted in response to Sections 205(a) and 516 of the Clean Water Act. [CWNS Basics](#) provides more information.

WHAT CAN I FIND ON THIS WEB SITE?

This site contains background information, data, reports, and contact information for the CWNS. The highlights are:

- Information and resources needed to participate in [CWNS 2008](#) (February 5 - October 27, 2008)
- **New!** [2004 CWNS Report to Congress](#) is now available!
- Previous reports are also available:
 - [2000 CWNS Report to Congress](#)
 - [1996 CWNS Report to Congress](#)
- [CWNS Basics](#) provides information about the data collected and the purpose of the CWNS
- Contact information for state and regional coordinators is available at [Where You Live](#)
- National, regional, state, watershed, and facility level data and reports for [2004](#), [2000](#), and [1996](#). The data includes federal needs, population, and flow information for CWNS facilities and project, and is organized by the following categories:

[I. Secondary Wastewater Treatment](#)[VII. Nonpoint Source \(NPS\) Categories](#)



Clean Watersheds Needs Survey (CWNS)

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CWNS 2008

Data collection for CWNS 2008 is from February 5, 2008 through October 27, 2008. For the first time, both state staff and local users (e.g., wastewater facilities, municipal governments, conservation districts) can enter data directly into the CWNS system. The state CWNS coordinator reviews submitted data before submitting it to EPA.

If you do not have an account on the CWNS system, click here to [apply](#). Accounts must be approved by the CWNS State Coordinator in your state. Please allow up to five business days for account approval process.

You have already logged in, please click the link below to go to the CWNS Home Page

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- Report to Congress
- Data

[CWNS 2000](#)

- Report to Congress
- Data

[1996 CWNS](#)

- Report to Congress
- Data

[Where You Live](#)[Data Dictionary](#)

Resources



<http://www.epa.gov/cwns>

- List of CWNS state & regional coordinators (Where You Live)
- News about CWNS 2008
 - Web seminar schedule, “Questions and Answers,” and links to recorded sessions
 - Resources
 - Links to contact information for state & regional NPS, Onsite , and Stormwater Coordinators
- Access to CWNS 2004 data and Reports to Congress

Contacts & More Information

Michael Plastino, US EPA

202-564-0682 or plastino.michael@epa.gov

Karen Fligger, US EPA

202-564-2992 or fligger.karen@epa.gov

Sign up for CWNS updates by emailing
cwns@epa.gov.

Questions

Questions can be asked at anytime by typing them in the chat box and clicking

